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PATENTIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Christopher M. HERRING, et.al.  
Assignee: Advanced Micro Devices, Inc.  
Title: DECT-LIKE SYSTEM AND METHOD OF TRANSCEIVING INFORMATION  
OVER THE INDUSTRIAL-SCIENTIFIC-MEDICAL SPECTRUM  
Patent No.: 6,958,987 B1 Issued: October 25, 2005  
Atty. Docket No.: 1458-P04659

MS: Certificate of Correction Branch  
COMMISSIONER FOR PATENTS  
PO Box 1450  
Alexandria, VA 22313-1450

Certificate  
JUL 07 2006  
of Correction

**REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT—  
PTO MISTAKE (37 C.F.R. § 1.322(a))**

Dear Sir:

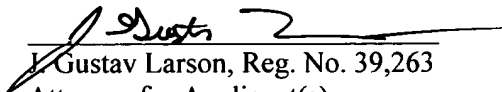
Pursuant to 35 U.S.C. § 254 and 37 C.F.R. § 1.322(a), please issue a Certificate of Correction in the above-identified matter. The mistake(s) to be corrected was made by the Office.

1. Attached hereto, in duplicate, is Form PTO-1050, with at least one copy suitable for printing.
2. The exact page(s) and line number(s) where the error(s) is shown correctly in the application file:  
Amendment After Allowance dated February 25, 2005, pages 2, 3, 4 and 5
3. Please send the Certificate to:

**J. GUSTAV LARSON**  
LARSON NEWMAN ABEL POLANSKY & WHITE, LLP  
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Respectfully submitted,

6-26-06  
Date

  
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JUL 03 2006

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

PATENT NO : 6,958,987 B1

DATED : October 25, 2005

INVENTORS : Christopher M. HERRING

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column No. 9, Line No. 63 change "B Field" to --B-Field--

Column No. 10, Line No. 14 change "of first" to --of a first--

Column No. 10, Line No. 18 change "Least" to --least--

Column No. 10, Line No. 27 change "bop" to --hop--

Column No. 10, Line No. 45 change "23" to --2.5--

Column No. 10, Line No. 54 change "fame" to --frame--

Column No. 12, Line No. 3 change "fist" to --first--

**MAILING ADDRESS OF SENDER:**

Larson Newman Abel Polansky & White, LLP  
5914 West Courtyard Drive, Suite 200  
Austin, TX 78730

PATENT NO. 6,958,987 B1

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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

300 03 4000

**UNITED STATES PATENT AND TRADEMARK OFFICE  
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PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Christopher M. HERRING

Title: DECT-LIKE SYSTEM AND METHOD OF TRANSCEIVING  
INFORMATION OVER THE INDUSTRIAL-SCIENTIFIC-MEDICAL  
SPECTRUM

App. No.: 09/478,144 Filed: 01/05/2000

Examiner: HYUN Soon D. Group Art Unit: 2663

Atty. Dkt. No.: 1458-P04659

MS ISSUE FEE  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

AMENDMENT AFTER ALLOWANCE (37 C.F.R. § 1.312)

Dear Sir:

This Amendment is being submitted following the Notice of Allowance mailed on December 7, 2004, and prior to payment of the issue fee.

Claim Amendments begin on page 2.

Remarks begin on page 6.

1500 01 2005

CERTIFICATE OF TRANSMISSION/MAILING	
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to the Commissioner for Patents on 2/23/05.	
Judy Carey	
Typed or Printed Name	Signature

01 2005

**IN THE CLAIMS:**

Please amend claims 3, 9, 11 12 and 20 as indicated in the following.

1. (Canceled)
2. (Previously Presented) The transceiving unit as recited in claim 28 wherein the baseband processor comprises first and second means for supporting concurrent voice and data communications.
3. (Currently Amended) The transceiving unit as recited in claim 28 wherein each time slot comprises a 32-bit preamble for synchronization, a 64 bit A-field for signaling and a B-field comprising 320 bits and 4 bits for CRC.
4. (Canceled)
5. (Canceled)
6. (Canceled)
7. (Canceled)
8. (Previously Presented) The transceiving unit as recited in claim 28 wherein unequal amounts of time slots are allocated between voice and data communications.
9. (Currently Amended) The transceiving unit as recited in claim 28 wherein time slots 1,2,3 and 9, 10, 11 are allocated for data communications and time slots 4, 5, 6 and 12, 13, 14 are allocated for voice communications.
10. (Original) The transceiving unit as recited in claim 9 wherein time slot 8 is allocated to program the transmit carrier frequency and slot 16 is allocated to program the receive carrier frequency.
11. (Currently Amended) The transceiving unit as recited in claim 9 wherein time slots 1,2,3 and 9, 10, 11 allocate 80 bits in a B-field of each time slot to a Forward Error Correction Code (FECC).

12. (Currently Amended) The transceiving unit as recited in claim 9 wherein time slots 4, 5, 6 and 12, 13, 14 allocate an entire B-field of each time slot to voice information.
13. (Canceled)
14. (Canceled)
15. (Canceled)
16. (Canceled)
17. (Previously Presented) A wireless communications method over the industrial-scientific-medical (ISM) spectrum comprising:
- (a) transceiving information in a 2.4 to 2.5 GHz band to support concurrent voice and data information packetized into plural time slots within a time frame, each of the plural time slots being associated with one of a first plurality of carrier frequencies, and each of the plural time slots changing to another one of the first plurality of carrier frequencies after a predetermined number of consecutive frames, and wherein at least one time slot of the plural time slots shares at least one of a set of sync bits, a set of signaling bits, a set of CRC bits or a set of FECC bits with at least one adjacent time slot of the plural time slots; and
  - (b) a processor to provide time slot and frame timing for step (a) such that the first plurality of carrier frequencies between 2.4 GHz and 2.4835 GHz and a minimum hop rate of 2.5 hops per second are maintained.
18. (Previously Presented) The method as recited in claim 17 further comprising providing time slot and frame timing such that the first plurality of carrier frequencies includes seventy-five carrier frequencies that are programmed ranging between 2401.122 MHz to 2479.813 MHz and spaced 1.063 MHz apart.
19. (Previously Presented) The method as recited in claim 18 further comprising providing time slot and frame timing such that each of the seventy-five carrier frequencies supports a ten-millisecond frame.

20. (Currently Amended) A system for wireless communications over the industrial-scientific-medical spectrum comprising:

- (a) a base station unit having a first transceiving unit;
- (b) a cordless personal access device having a second transceiving unit; and
- (c) the first and second transceiving units including:
  - (i) an RF sub-module for transceiving information in a 2.4 to 2.5 GHz band; and
  - (ii) a processor coupled and adapted to provide time slot and frame timing to the RF sub-module wherein a first plurality of carrier frequencies between 2.4 GHz and 2.4835 GHz and a minimum hop rate of 2.5 hops per second are maintained and to support a frame that has sixteen time slots that change carrier channels after two consecutive frames, wherein at least one time slot of the frame shares at least one of a set of sync bits, a set of signaling bits, a set of CRC bits or a set of FECC bits with at least one adjacent time slot of the frame.

21. (Previously Presented) A method comprising:

- (a) determining a current frame of a first plurality of frames to transmit data to a target device, each frame of the first plurality of frames residing at a unique carrier range in a 2.4 to 2.5 GHz band;
- (b) determining data to be transmitted over a plurality of time slots of the current frame, wherein at least one time slot of the plurality of time slots shares at least one of a set of sync bits, a set of signaling bits, a set of CRC bits or a set of FECC bits with at least one adjacent time slot of the plurality of time slots;
- (c) determining a different frame of the first plurality of frames, wherein the different frame and the current frame are not the same frame; and
- (d) identifying the different frame as the current frame after a predetermined number of frame cycles, and repeating (b), (c) and (d).

22. (Previously Presented) The method of claim 21 wherein the plurality of time slots is sixteen time slots.

23. (Previously Presented) The method of claim 22, wherein the first plurality of frames includes seventy-five frames spaced 1.063 MHz apart.
24. (Previously Presented) The method of claim 23, wherein each frame has a ten-millisecond duration.
25. (Previously Presented) The method of claim 21, wherein the first plurality of frames includes seventy-five frames spaced 1.063 MHz apart.
26. (Previously Presented) The method of claim 25, wherein each frame has a ten-millisecond duration.
27. (Previously Presented) The method of claim 28, wherein the predetermined number of consecutive frames is two.
28. (Previously Presented) A transceiving unit for wireless communications over the industrial-scientific-medical (ISM) spectrum comprising:
- (a) an RF sub-module for transceiving information in a predefined frequency band; and
  - (b) a processor coupled and adapted to provide time slot and frame timing to the RF sub-module, wherein N hopping frequencies ranging between X MHz and Y MHz and a minimum hop rate of Z hops per second are maintained, the N hopping frequencies are spaced K MHz apart and each of the N hopping frequencies support an R millisecond frame having M time slots that change carrier signals after a predetermined number of consecutive frames, and wherein at least one time slot of the frame shares at least one of a set of sync bits, a set of signaling bits, a set of CRC bits or a set of FECC bits with at least one adjacent time slot of the frame, and wherein N and M are integers and K, R, X and Y are real numbers.
29. (Previously Presented) The transceiving unit of claim 28, wherein N is 75, M is 16 and Z is approximately 2.5.
30. (Previously Presented) The transceiving unit of claim 29, wherein K is approximately 1.063, R is approximately 10, X is approximately 2401.122 and Y is approximately 2479.813.



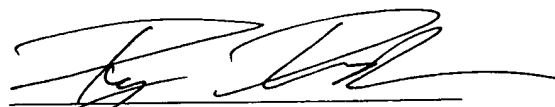
## REMARKS

Claims 3, 9, 11, 12 and 20 have been amended to correct various punctuation errors. The amendments to the claims do not change the scope of the claims. Entry thereof is therefore respectfully requested.

Should the Examiner deem that any further action by the Applicant would be desirable for placing this application in even better condition for issue; a call to the Applicant's representative listed below is requested. The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number 01-0365.

Respectfully submitted,

Date: 25 February 2005



Ryan S. Davidson, Reg. No. 51,596

On behalf of

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